

Appln. No. 09/771,542
Amendment dated December 27, 2004
Reply to Office Action of August 6, 2004

Amendments to the Claims:

Please cancel claim 3, amend claims 2 and 4-11, and add new claims 12-24 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended). A voice recording and reproducing apparatus, comprising:

conversion means for converting inputted voice signals into digitized voice data;

5 a data table for storing information to be added to the voice data as header information a plurality of ID data for predetermined ID items;

ID data selecting means for selecting arbitrary ID data from the ID data of the predetermined ID items stored in the data 10 table;

data file creating means for creating a data file by adding the ID data selected by the ID data selecting means to the voice data converted by the conversion means as header information;

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recording means for adding header information stored in the
15 data table to said voice data converted by said conversion means
and for recording said voice data the data file in voice data
recording means a recording medium; and

changing means for communicating with an external apparatus
connected to the voice recording and reproducing apparatus and
20 for changing header information the ID data stored in the data
table based upon information sent from the external apparatus.

Claim 2 (Currently Amended). The apparatus according to
claim 1, wherein

the data table is stored in a rewritable nonvolatile storage
medium; and

5 said changing means rewrites header information the ID data
stored in the data table as header information with ID data sent
from said external apparatus.

Claim 3 (Cancelled).

Claim 4 (Currently Amended). The apparatus according to
claim 1, wherein said changing means can change at least one of
ID data identifying a user, ID data identifying a work type, an

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option item name data displayed on a display portion of the voice
5 recording and reproducing apparatus and an option item ID, which
are stored in the data table data concerning the data displayed
on said display portion among said header information.

Claim 5 (Currently Amended). An information processing apparatus for which a plurality of external data recording and reproducing apparatuses for digitizing and recording inputted signals in a recording medium are connectable, comprising:

5 connection number allocation means for, after connecting the external data recording and reproducing apparatuses to the information processing apparatus, allocating a connection number to each of the connected external data recording and reproducing apparatuses which are connected to the information processing apparatus;

identification code acquisition means for acquiring an identification code of the external data recording and reproducing apparatuses connected to the information processing apparatus;

15 storage means for storing each connection number allocated by the connection number allocation means and the identification code acquired by the identification code acquisition means;

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display means for displaying at least one of the connection number and the identification code stored in the storage means;

20 first selection means for selecting at least one of a desired connection number and a desired identification code, from at least one of the connection number and the identification code displayed by the display means;

second selection means for selecting a desired external data recording and reproducing apparatus from the connected plurality of external data recording and reproducing apparatuses based on the selection by the first selection means; and

control means for carrying out controls so that at least one of a control program and control data of said external data recording and reproducing apparatus selected by the second selection means may be changed.

Claim 6 (Currently Amended). The apparatus according to claim 5, wherein when recording inputted signals as digitized data, said selected data recording and reproducing apparatus adds predetermined header information to said data in accordance with a data table stored in the data recording and reproducing apparatuses, and

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~~said control means carries out controls so that the data table may be changed~~

10 the control means carries out controls so that the data table stored in the external data recording and reproducing apparatus may be changed, and

15 the data table stores a plurality of ID data that a user can select on the data recording and reproducing apparatus, for predetermined ID items, and when the external data recording and reproducing apparatus records data the ID data selected by the user, of the plurality of ID data, is recorded as header information.

Claim 7 (Currently Amended). The apparatus according to claim 6, wherein

5 said control means can change at least one of ID data identifying a user, ID data identifying a work type, data displayed on the display portion of the voice recording and reproducing apparatus option item data and data concerning the data displayed on said display portion among said header information an option item name, which are stored in the data table.

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Claim 8 (Currently Amended). A recording medium having recorded an information processing program for which a plurality of external data recording and reproducing apparatuses for digitizing and recording inputted signals are responsive, the 5 information processing program comprising:

a processing program for, after connecting the external data recording and reproducing apparatuses to the information processing apparatus, allocating a connection number to each of the plurality of connected external data recording and 10 reproducing apparatuses which are responsive to the information processing program;

a processing program for acquiring an identification code of the external data recording and reproducing apparatuses which are responsive to the information processing program;

15 a processing program for storing each allocated connection number and each acquired identification code;

a processing program for displaying at least one of the stored connection number and the stored identification code;

20 a processing program for selecting at least one of a desired connection number and a desired identification code, from at least one of the displayed connection number and the displayed identification code;

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a processing program for selecting a desired external data recording and reproducing apparatus from the plurality of
25 external data recording and reproducing apparatuses based on the selected and displayed connection number and identification code;
and

30 a processing program for carrying out controls so that at least one of a control program and control data of the selected external data recording and reproducing apparatus may be changed.

Claim 9 (Currently Amended). The recording medium according to claim 8, wherein ~~when recording inputted signals as digitized data, said selected data recording and reproducing apparatus adds predetermined header information to said data in accordance with a stored data table; and~~

5 ~~wherein said processing program for carrying out controls carries out controls so that the stored data table may be changed~~
~~the processing program for carrying out controls carries out controls so that the data table may be changed, and~~
10 ~~the data table stores a plurality of ID data that a user can select, for predetermined ID items, and when the data is recorded, the ID data selected by the user, of the plurality of ID data, is recorded as header information.~~

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Claim 10 (Currently Amended). The apparatus according to
claim 5, wherein when changing said at least one of the control
program and the control data, the control means causes the
identification code acquisition means to acquire the
5 identification code of the ~~desired external~~ data recording and
reproducing apparatus ~~selected by the second selection means~~
again, and the control means determines whether the acquired
identification code of the ~~desired external~~ data recording and
reproducing apparatus is identical to the ~~stored~~ identification
10 code of the ~~desired external~~ data recording and reproducing
apparatus selected by the second selection means.

Claim 11 (New). The recording medium according to claim 8,
wherein when changing said at least one of the control program
and the control data, the processing program for carrying out
controls causes the processing program for acquiring an
identification code to acquire the identification code of the
5 ~~desired external~~ data recording and reproducing apparatus, and
the processing program for carrying out controls determines
whether the acquired identification code of the ~~desired external~~
data recording and reproducing apparatus is identical to the
10 stored identification code of the desired data recording and
reproducing apparatus selected by the second selection means.

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Claim 12 (New). An information processing apparatus for which a plurality of external data recording and reproducing apparatuses for digitizing and recording inputted signals in a recording medium are connectable, comprising:

5 device selection means for selecting an arbitrary data recording and reproducing apparatus from the plurality of external data recording and reproducing apparatuses connected to the information processing apparatus;

10 changing means for changing a data table stored in the data recording and reproducing apparatus selected by the device selection means,

wherein the data table stores a plurality of ID data that a user can select, for predetermined ID items, and when the external data recording and reproducing apparatus records data 15 the ID data selected by the user, of the plurality of ID data, is recorded as header information.

Claim 13 (New). An information processing system comprising a data recording and reproducing apparatus and an information processing apparatus which can be connected to the data recording and reproducing apparatus, the data recording and reproducing 5 apparatus comprising:

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conversion means for converting inputted signals into digital data;

a data table for storing a plurality of ID data for predetermined ID items;

10 ID data selecting means for selecting arbitrary ID data from the ID data of the predetermined ID items stored in the data table;

data file creating means for creating a data file by adding the ID data selected by the ID data selecting means to the digital data as header information;

recording means for recording the data file in a recording medium; and

changing means for changing the data table;

the information processing apparatus comprising:

20 device selection means for selecting an arbitrary data recording and reproducing apparatus from a plurality of data recording and reproducing apparatuses connected to the information processing apparatus; and

transmitting means for transmitting ID data to the data recording and reproducing apparatus,

wherein the changing means changes the data table in accordance with the ID data transmitted from the information processing apparatus.

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Claim 14 (New). The system according to claim 13, wherein the data table includes a plurality of ID data that can be selected for at least one of ID items consisting of ID identifying a user, ID identifying a work type and option item
5 ID.

Claim 15 (New). A data recording and reproducing apparatus comprising:

a converter which converts inputted voice signals into digital data;

5 a data table which stores a plurality of ID data for predetermined ID items;

an ID selecting unit which selects arbitrary ID data from the ID data of the predetermined ID items stored in the data table;

10 a data file creating circuit which creates a data file by adding the ID data selected by the ID data selecting unit to the digital data converted by the converter as header information,

a recording circuit which records the data file in a recording medium; and

15 a changing circuit which communicates with an external apparatus connected to the data recording and reproducing

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apparatus and changes the ID data stored in the data table based upon information sent from the external apparatus.

Claim 16 (New). The apparatus according to claim 15, wherein the data table is stored in a rewritable nonvolatile storage medium, and the changing unit rewrites the ID data stored in the data table with ID data sent from the external apparatus.

Claim 17 (New). The apparatus according to claim 15, wherein the changing unit can change at least one of ID data identifying a user, ID data identifying a work type, an option item name, an option item ID, which are stored in the data table.

Claim 18 (New). An information processing apparatus for which a plurality of external data recording and reproducing apparatuses for digitizing and recording inputted signals in a recording medium are connectable, comprising:

5 a connection number allocation circuit which, after connecting the external data recording and reproducing apparatuses to the information processing apparatus, allocates a connection number to each of the connected external data recording and reproducing apparatuses;

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- 10 an identification code acquisition circuit which acquires an identification code of the external data recording and reproducing apparatuses connected to the information processing apparatus;
- 15 a memory which stores each connection number allocated by the connection number allocation circuit and the identification code acquired by the identification code acquisition circuit;
- 20 a display unit which displays at least one of the connection number and the identification code stored in the memory;
- 25 a first selection circuit which selects at least one of a desired connection number and a desired identification code, from at least one of the connection number and the identification code displayed by the display unit;
- 30 a second selection circuit which selects a desired external data recording and reproducing apparatus from the connected plurality of external data recording and reproducing apparatuses based on the selection by the first selection circuit; and
- a control circuit which carries out controls so that at least one of a control program and control data of the external data recording and reproducing apparatus selected by the second selection circuit may be changed.

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Claim 19 (New). The apparatus according to claim 18,
wherein:

the control circuit carries out controls so that the data
table stored in the external data recording and reproducing
5 apparatus may be changed, and

the data table stores a plurality of ID data that a user can
select on the data recording and reproducing apparatus, for
predetermined ID items, and when the external data recording and
reproducing apparatus records data the ID data selected by the
10 user, of the plurality of ID data, is recorded as header
information.

Claim 20 (New). The apparatus according to claim 19,
wherein the control circuit can change at least one of ID data
identifying a user, ID data identifying a work type, option item
data and an option item name, which are stored in the data table.

Claim 21 (New). The apparatus according to claim 18,
wherein when changing at least one of the control program and the
control data, the control circuit causes the identification code
acquisition circuit to acquire the identification code of the
5 external data recording and reproducing apparatus again, and the
control circuit determines whether the acquired identification

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code of the external data recording and reproducing apparatus is identical to the identification code of the external data recording and reproducing apparatus selected by the second
10 selection circuit.

Claim 22 (New). An information processing apparatus for which a plurality of external data recording and reproducing apparatuses for digitizing and recording inputted signals in a recording medium are connectable, comprising:

5 device selection unit which selects an arbitrary data recording and reproducing apparatus from the plurality of external data recording and reproducing apparatuses connected to the information processing apparatus;

10 a changing circuit which changes a data table stored in the data recording and reproducing apparatus selected by the device selection unit,

wherein the data table stores a plurality of ID data that a user can select, for predetermined ID items, and when the external data recording and reproducing apparatus records data
15 the ID data selected by the user, of the plurality of ID data, is recorded as header information.

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Claim 23 (New). An information processing system comprising a data recording and reproducing apparatus and an information processing apparatus which can be connected to the data recording and reproducing apparatus, the data recording and reproducing apparatus comprising:

- 5 a converter which converts inputted signals into digital data;
- a data table for storing a plurality of ID data for predetermined ID items;
- 10 an ID data selecting unit which selects arbitrary ID data from the ID data of the predetermined ID items stored in the data table;
- 15 a data file creating circuit which creates a data file by adding the ID data selected by the ID data selecting circuit to the digital data as header information;
- a recording circuit which records the data file in a recording medium; and
- a changing circuit which changes the data table;
- the information processing apparatus comprising:
- 20 a device selection unit which selects an arbitrary data recording and reproducing apparatus from a plurality of data recording and reproducing apparatuses connected to the information processing apparatus; and

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a transmitting circuit which transmits ID data to the data
25 recording and reproducing apparatus,

wherein the changing circuit changes the data table in
accordance with the ID data transmitted from the information
processing apparatus.

Claim 24 (New). The system according to claim 23, wherein
the data table includes a plurality of ID data that can be
selected for at least one of ID items consisting of ID
identifying a user, ID identifying a work type and option item

5 ID.